

DERWENT-ACC-NO: 1985-188350

DERWENT-WEEK: 198531

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TITLE: Photopolymerisable compsn. - is based on
specified carboxyl-contg. cellulose ester and contains
additional glycidol to increase efficiency

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PATENT-ASSIGNEE: UKR PRINTING IND RE[UPRIR]

PRIORITY-DATA: 1983SU-3671973 (December 9, 1983)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
SU 1132276 A	December 30, 1984	N/A
007 N/A		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
SU 1132276A	N/A	1983SU-3671973
December 9, 1983		

INT-CL (IPC): G03C001/68

ABSTRACTED-PUB-NO: SU 1132276A

BASIC-ABSTRACT:

Use of cellulose acetosuccinate or acetophthalate (I) as the carboxyl-contg. cellulose ester, specified (mixt. of unsatd. oligomer(s) and/or monomer(s) (II), photoinitiator (III), amine (IV), plasticiser (V) and solvent (VI) in, and addn. of glycidol (VII) to the photopolymerisable compsn., increases its photosensitivity. The mixt. contains (in pts. wt.): (I) 100, (II) 5-100, (III) 0.01.-1, (IV) 0.5-40, (V) 3-50, (VI) 180-450 and (VII) 0.1-15. Here (II)

is trimethylene glycol dimethacrylate, glycidyl methacrylate, 2-hydroxyethyl methacrylate, diallyl phthalate, or glycerine dimethacrylate, (III) is 1-chloroanthraquinone, 5-acetoxy-1,4-naphthoquinone, tert. hexyl ester of anthraquinone-2-carboxylic peracid or tert. butylperoxymethyl ester of anthraquinone-2-carboxylic acid, (IV) is tetra(hydroxypropyl) ethylenediamine, ethylene oxide-propylene oxide block copolymer based on ethylene diamine, triethanolamine or ethylene diamine, (V) is polyethylene glycol, glycerine or ethylene oxide-propylene oxide block copolymer, and (VI) is a 8.5:1.5 mixt. of acetone and ethanol or 8.5:1.5 mixt. of acetone and water, or 8:2 mixt. of methylene chloride and methanol.

USE/ADVANTAGE - In photography, lithography, printing etc. Tests show that addn. of (VII) reduces the total time of preflashing and exposure from 18 to 9-15 min. Bul.48/30.12.84.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: PHOTOPOLYMERISE COMPOSITION BASED SPECIFIED CARBOXYL CONTAIN

CELLULOSE ESTER CONTAIN ADD GLYCIDOL INCREASE EFFICIENCY

DERWENT-CLASS: A89 G06 P83

CPI-CODES: A03-A02; A03-A03; A08-D01; A08-P01; A12-L02B; A12-L02C; A12-W07B;

G05-A01; G06-D02; G06-D05; G06-F03B;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0270U; 0272U ; 0345U ; 1740U ; 5092U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0002 0013 0034 0036 0211 0222 0224 0226 0500 0502 0503 3053 3055

3056 0584 0586 0587 0605 0607 0608 1156 1158 1159 1170 1172 1173 1279 1282 1588

1590 1604 1630 1632 1633 1977 1980 2000 2002 2014 2016 2020 2066 2068 2079 2093

2102 2116 2231 2235 2236 2293 2294 2295 2299 2300 2318 2507 2509 3266

2805 2813

Multipunch Codes: 014 02& 028 034 036 067 070 074 077 081 085 130 131
133 147

157 198 200 226 231 239 24& 240 252 266 267 27& 273 28& 294 31- 311
315 316 332

336 341 347 353 355 37- 398 40- 42- 44& 45- 473 48- 524 56& 57- 642
658 659 660

679 681 688 691 720

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1985-082569

Non-CPI Secondary Accession Numbers: N1985-141268